

APPENDIX C

```
/*c1*/      void function1(void)
/*c2*/      {
5  /*c3*/      ...
/*c4*/      #pragma asm
/*c5*/      push #05h
/*c6*/      push #F1h
/*c7*/      #pragma endasm
10 /*c8*/      ...
/*c9*/      critical_function();
/*c10*/     ...
/*c11*/     }

15 /*c12*/     void critical_function(void)
/*c13*/     {
/*c14*/     ...
/*c15*/     #pragma asm
/*c16*/     pop A
20 /*c17*/     mov R7,A
/*c18*/     pop A
/*c19*/     mov R6,A
/*c20*/     pop A
/*c21*/     XRL A, #F1h
25 /*c22*/     JNZ OS_killcard
/*c23*/     pop A
/*c24*/     XRL A, #05h
/*c25*/     JNZ OS_killcard
/*c26*/     mov A,R6
30 /*c27*/     push A
/*c28*/     mov A,R7
/*c29*/     push A
/*c30*/     #pragma endasm
/*c31*/     ...
35 /*c32*/     }
```